

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001413

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7): C12Q-1/68, G01N-33/50, G01N-33/68

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC(7): C12Q-1/68, G01N-33/50, G01N-33/68; U.S. 435/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Canadian Patent Database, GenBank, SwissProt

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)  
EPOQUE, NCBI Pub-Med, Delphion; keywords: neuromedin, NMB, mutation, obesity, eating, anorexia, bulimia

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	OEFFNER, F. et al. Significant association between a silent polymorphism in the neuromedin B gene and body weight in German children and adolescents. Acta Diabetol. 2000, Vol. 37, No.2, pages 93-101, ISSN 0940-5429.	1, 4, 6, 7
Y	-the entire document, particularly the abstract, p.97 column 2, Tables 2 & 3, p.99	2, 3, 5, 8-11
A	KRANE, I.M. et al. Molecular cloning of cDNAs encoding the human bombesin-like peptide neuromedin B. J. Biol. Chem. September 15, 1988, Vol. 263, No.26, pages 13317-13323, ISSN 0021-9258.	1-11
A	GREGORY, C.A. and SCHWARTZ, J.S. The cDNA of the human neuromedin B gene (NMB) mapped to 15q11-qter recognizes an XbaI RFLP. Nucleic Acids Res. March 11, 1991, Vol. 19, No.5, page 1167, ISSN 0305-1048.	1-11
A	GREGORY, C.A. et al. Somatic recombination rather than uniparental disomy suggested as another mechanism by which genetic imprinting may play a role in the etiology of Prader-Willi syndrome. Hum. Genet. November 1991, Vol. 88, No.1, pages 42-48, ISSN 0340-6717.	1-11

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search  
23 November 2004 (23-11-2004)

Date of mailing of the international-type search report  
07 January 2005 (07-01-2005)

Name and mailing address of the ISA/CA  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau K1A 0C9  
Facsimile No. 1-819-953-9358

Authorized officer  
Michael W. De Vouge (819) 997-2952